

# PATENT ABSTRACTS OF JAPAN

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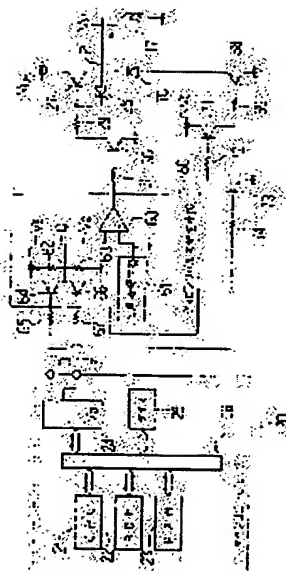
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(54) DUTY SOLENOID VALVE DRIVE UNIT

(57)Abstract:

PURPOSE: To save the power consumption and prevent the rise of temperature by providing a chopping pulse generating means for chopping-driving a first switching element between the termination time of an overexcitation signal and the termination time of a duty signal.

CONSTITUTION: There is provided with a microcomputer 20 for generating a duty signal D corresponding to the duty ratio and an overexcitation signal E. Between the termination time of the overexcitation signal E and the termination time of the duty signal D, a first switching element 27 is chopping-driven by a chopping pulse generating means 80 to excite a solenoid coil 17. A holding current can be thus restricted without using a resistor by chopping-driving the solenoid coil 17.



## LEGAL STATUS

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